

SUBSTITUTE ABSTRACT**ABSTRACT OF THE DISCLOSURE**

A manufacturing method with respect to polymer chips containing metal or metal oxide nanoparticles disposed in the chips, treated by blending and extruding and forming a composition of one metal or metal oxide nanoparticles and at least one polymer material. The metal or metal oxide nanoparticles are dispersed into polymer chips by a spinning, textile process to be as antibiosis textile (fiber, yarn, woven or non-woven) or to be as plastic process materials. Meanwhile, the method uses metal or metal oxide nanoparticles to achieve a functional application, e.g. disinfection, antibiosis, far IR, and so on.